



# OMNTEC

Advanced Tank Monitoring & Leak Detection

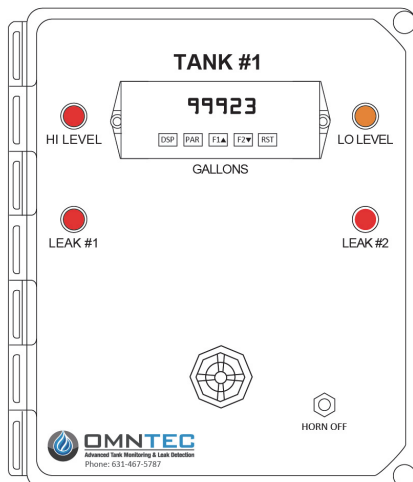


1. Open the camera app
2. Focus the camera on the QR code by gently tapping the code
3. Follow the instructions on the screen to view PDF file

# RD625-1-HLO2L

FOR OEL8000IIIK/X GenIV

# INSTALLATION GUIDE



## REMOTE DISPLAY

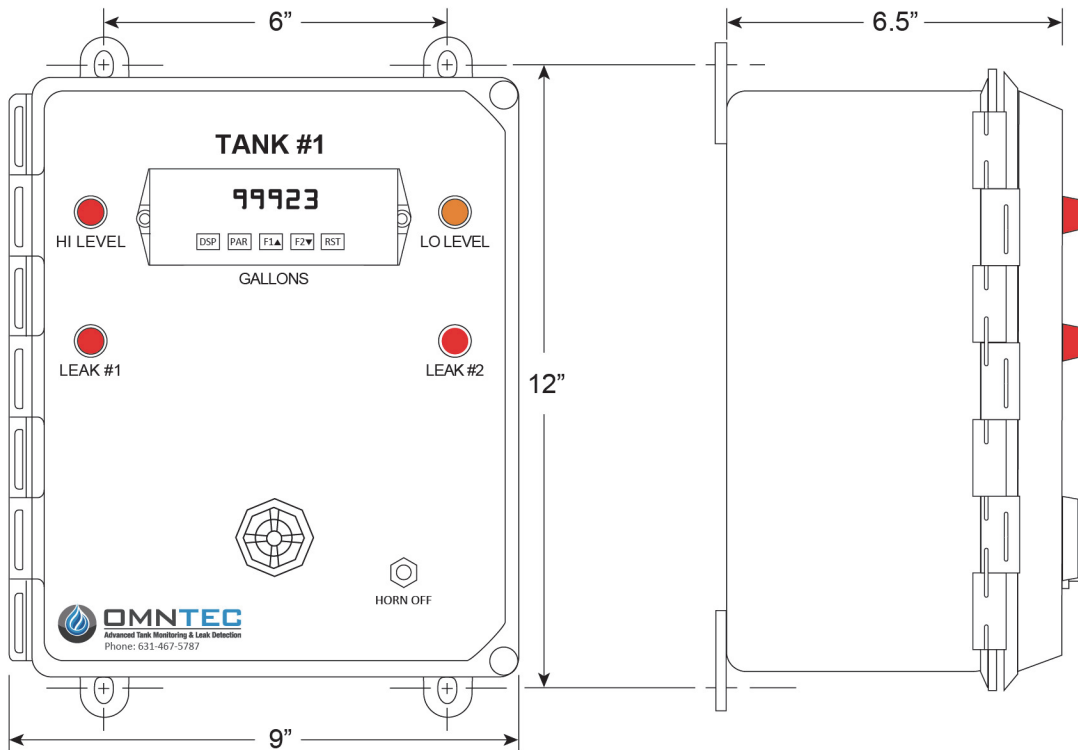
Revision 2620

Document No. RD625-1-HLO2L

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## RD625-1-HLO2L REMOTE DISPLAY



### RD625-1-HLO2L SPECIFICATIONS

**POWER INPUT**

120-volt AC

**OPERATING TEMPERATURE**

0 to 50 deg. C

**WEIGHT**

10 Pounds

**ENCLOSURE**

TYPE 4X

**COMPATIBLE CONTROLLERS**

OEL8000IIIK GenIV  
OEL8000IIIX GenIV

**AUDIO/VISUAL CONSOLE**

**AUDIBLE ALARM** - 95 dB pulsing horn with 30 second timeout

**LED DIGITAL DISPLAY** - Tank volume

**RED LIGHT** - Hi Level and Leak alarm indication

**AMBER LIGHT** - Lo Level alarm indication

**HORN OFF BUTTON** - Silences the audible alarm

**TEST BUTTON** - Test system lights and horn

**INPUT**

MB-232/485 From OEL8000IIIK and OEL8000IIIX

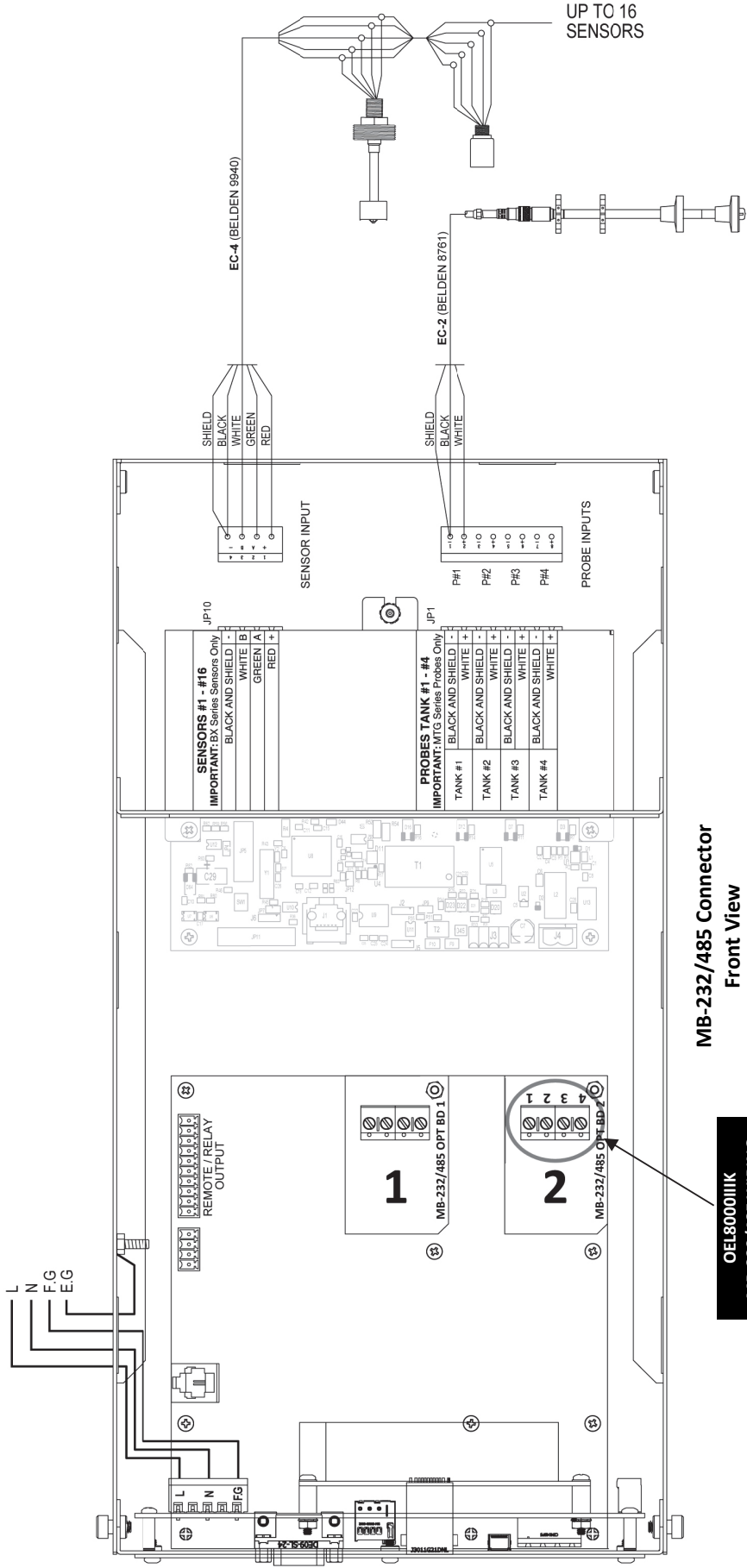
MCU J16 Remote/Relay Output

XC-R8 Relay output

XB-RB8 Relay output from OEL8000IIIX

**IMPORTANT:** Cable runs not to exceed 2000 feet.

# OEL8000IIK MB-232/485 WIRING



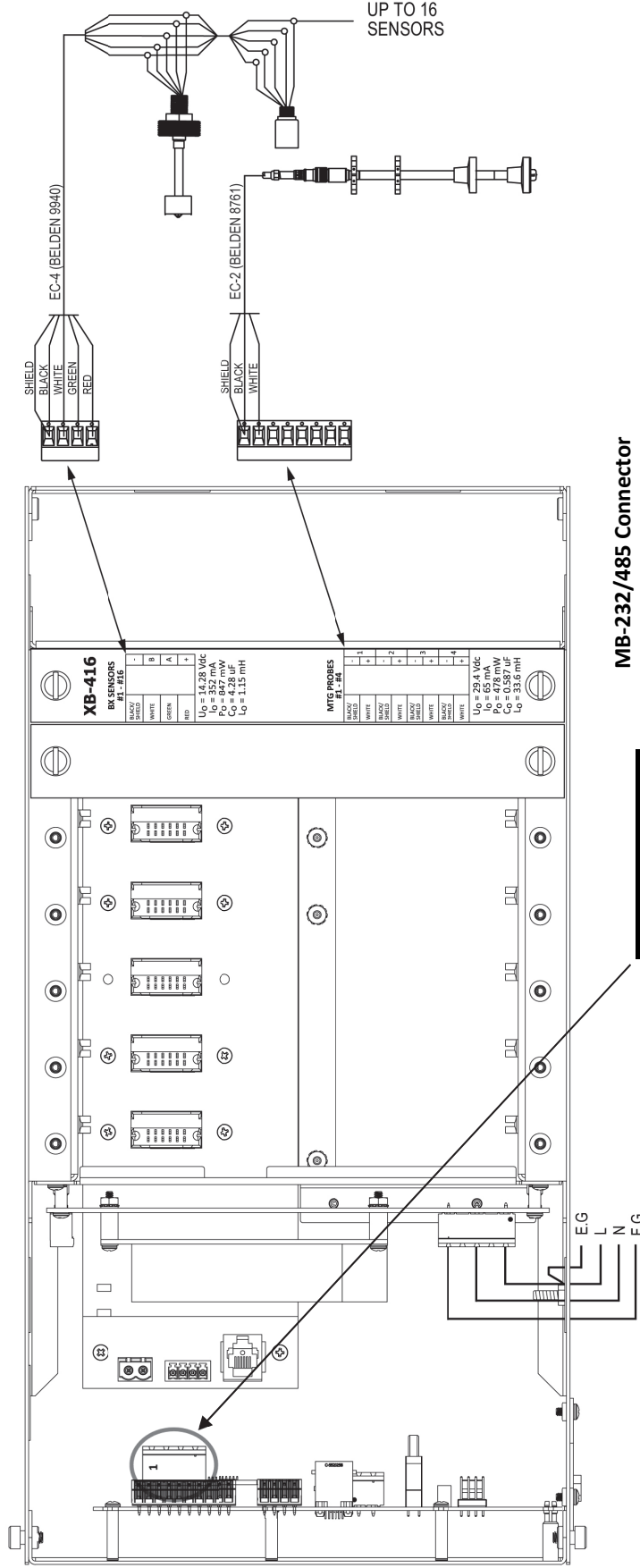
**MB-232/485 Connector  
Front View**

4	3	2	1
NC	+	-	GND

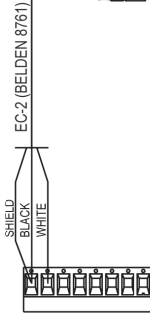
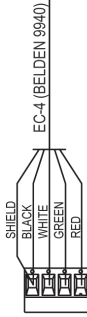
OEL8000IIK MB-232/485 WIRING	
1	BLACK (GND)
2	RED (-)
3	WHITE (+)
4	UNUSED

Note: Slot 1 or Slot 2 can be used for MB-232/485 board.

# OEL8000IIIX MB-232/485 WIRING



UP TO 16  
SENSORS



**XB-416**  
BX SENSORS  
#1 - #16

SHIELD	BLACK	WHITE	GREEN	RED
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$U_o = 14.28 \text{ Vdc}$   
 $I_o = 352 \text{ mA}$   
 $P_o = 4.78 \text{ mW}$   
 $C_o = 4.28 \mu\text{F}$   
 $L_o = 1.15 \text{ mH}$

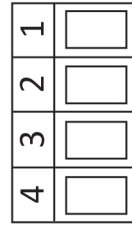
**MTG PROBES**  
#1 - #4

SHIELD	BLACK	WHITE	BLACK	WHITE
--------	-------	-------	-------	-------

$U_o = 79.4 \text{ Vdc}$   
 $I_o = 65 \text{ mA}$   
 $P_o = 4.78 \text{ mW}$   
 $C_o = 4.28 \mu\text{F}$   
 $L_o = 53.6 \text{ mH}$

**MB-232/485 Connector**

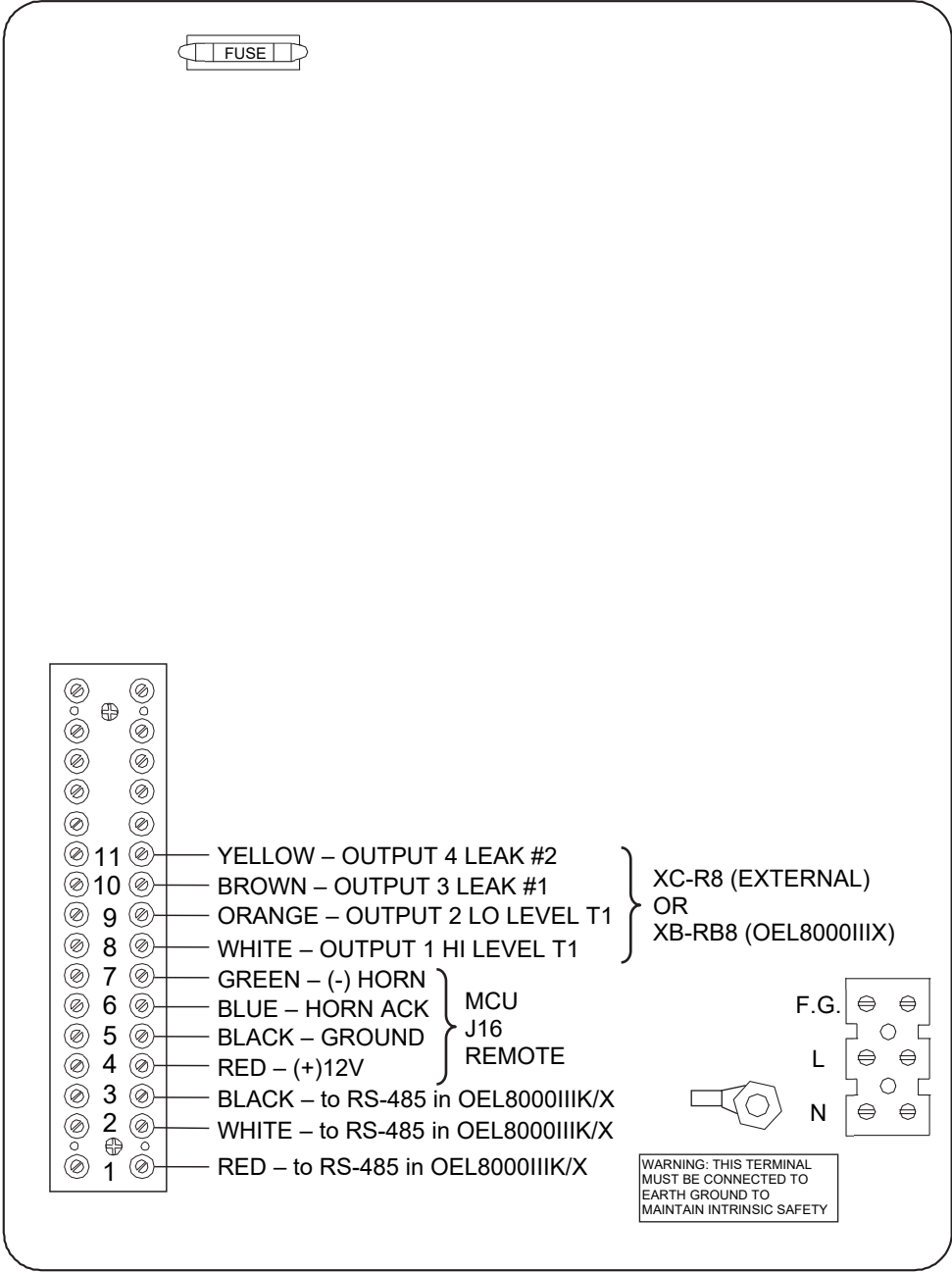
Front View



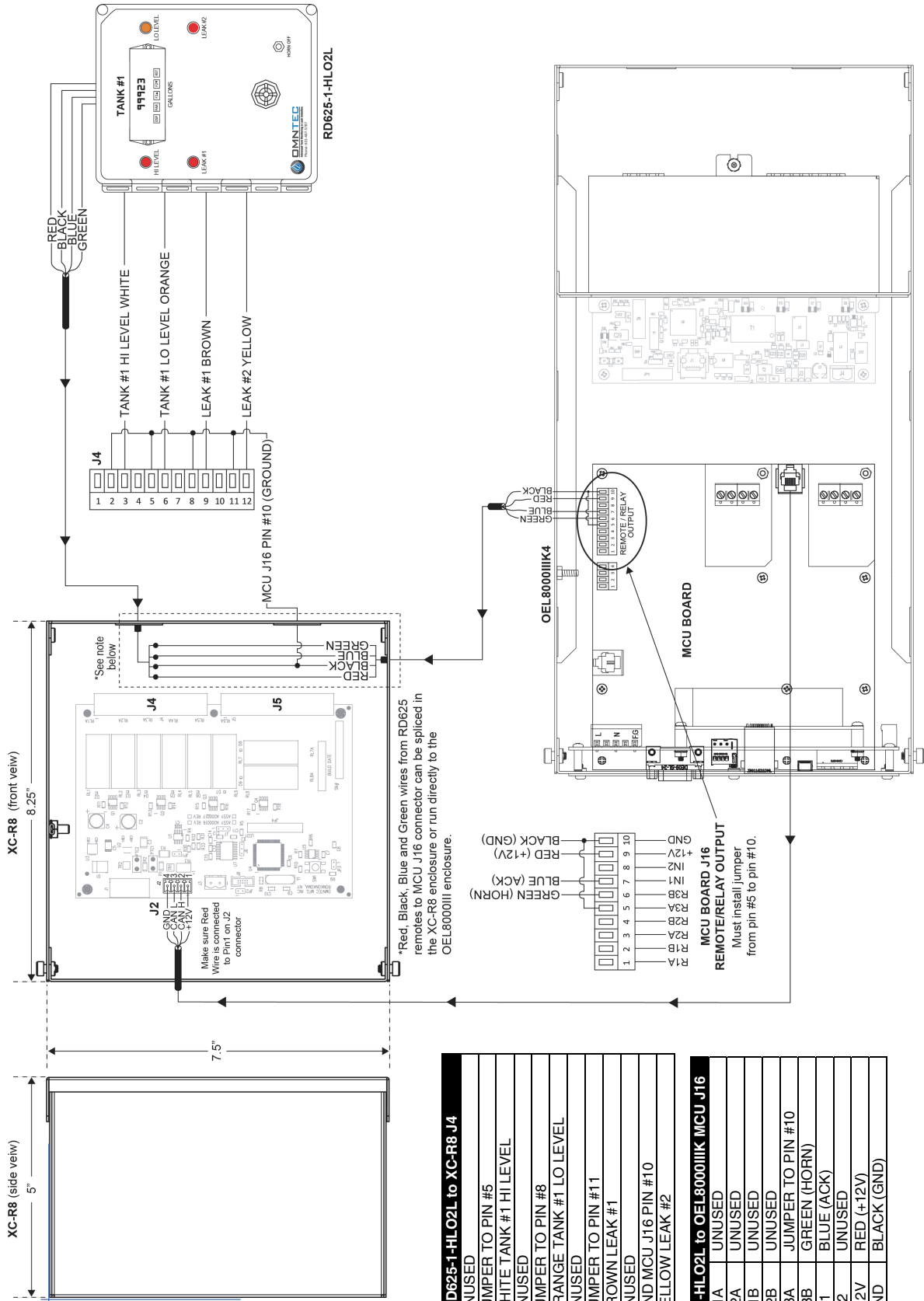
**OEL8000IIIX**  
**MB-232/485 WIRING**

1	BLACK (GND)
2	RED (-)
3	WHITE (+)
4	UNUSED

# RD625-1-HLO2L WIRING



# OEL8000IIIK / XC-R8 / RD625-1-HLO2L WIRING



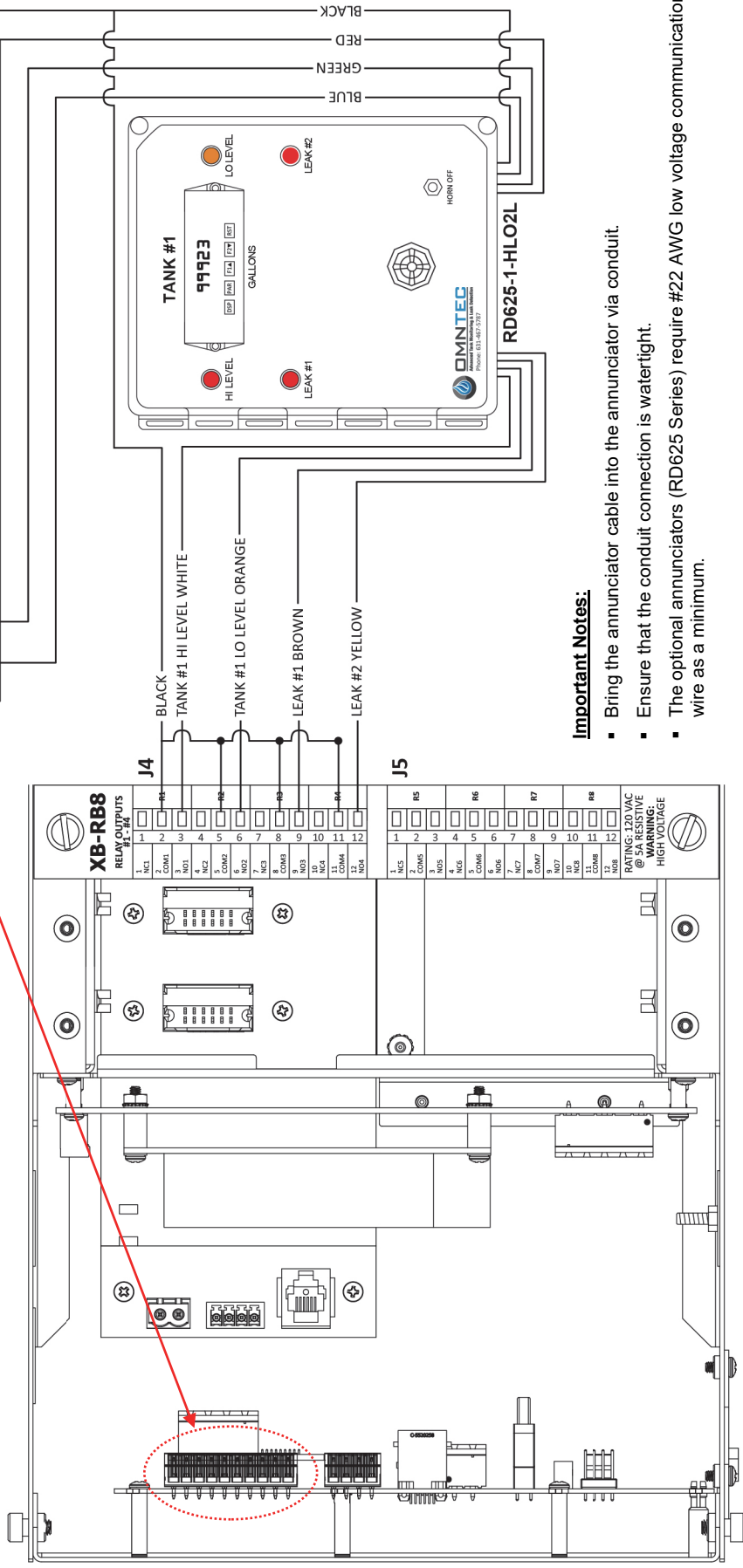
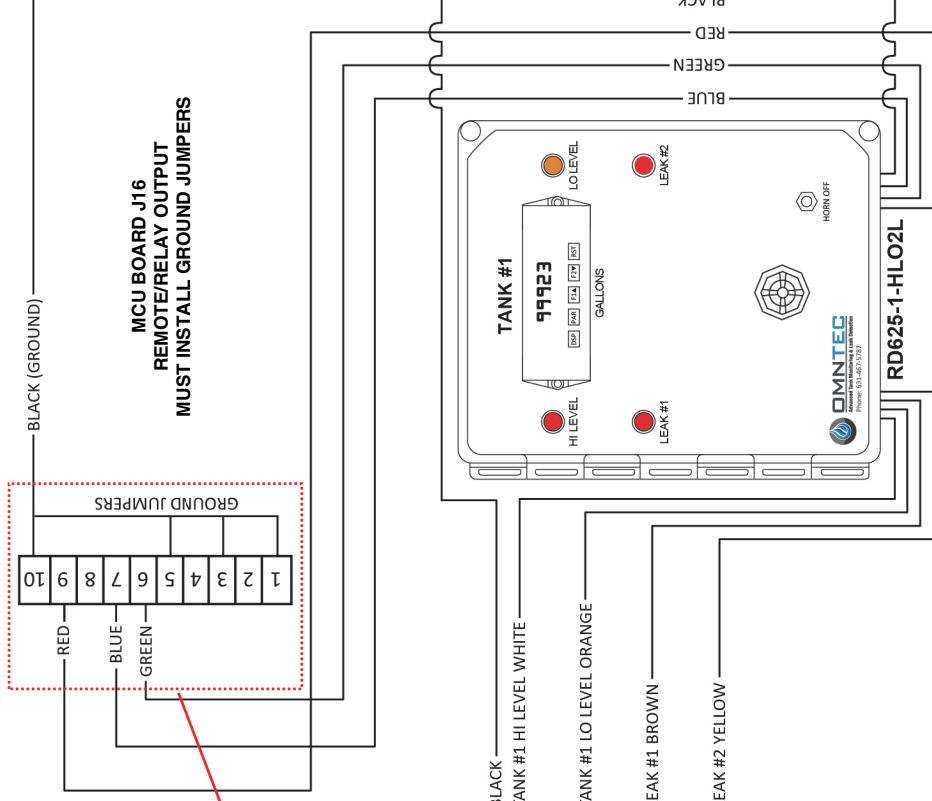
RD625-1-HLO2L to XC-R8 J4	
1	UNUSED
2	JUMPER TO PIN #5
3	WHITE TANK #1 HI LEVEL
4	UNUSED
5	JUMPER TO PIN #8
6	ORANGE TANK #1 LO LEVEL
7	UNUSED
8	JUMPER TO PIN #11
9	BROWN LEAK #1
10	UNUSED
11	GND MCU J16 PIN #10
12	YELLOW LEAK #2

RD625-1-HLO2L to OEL8000IIIK MCU J16	
1	R1A UNUSED
2	R2A UNUSED
3	R1B UNUSED
4	R2B UNUSED
5	R3A JUMPER TO PIN #10
6	R3B GREEN (HORN)
7	IN1 BLUE (ACK)
8	IN2 UNUSED
9	+12V RED (+12V)
10	GND BLACK (GND)

# OEL8000IIX / XB-RB8 / RD625-1-HLO2L WIRING

RD625-1-HLO2L to XB-RB8 v4	
1	UNUSED
2	JUMPER TO PIN #5
3	WHITE TANK #1 HI LEVEL
4	UNUSED
5	JUMPER TO PIN #8
6	ORANGE TANK #1 LO LEVEL
7	UNUSED
8	JUMPER TO PIN #11
9	BROWN LEAK #1
10	UNUSED
11	GND MCU J16 PIN 10
12	YELLOW LEAK #2

RD625-1-HLO2L to OEL8000IIX MCU J16	
1	R1A JUMPER TO PIN #10 (GND)
2	R2A UNUSED
3	R1B JUMPER TO PIN #10 (GND)
4	R2B UNUSED
5	R3A JUMPER TO PIN #10 (GND)
6	R3B GREEN (HORN)
7	IN1 BLUE (ACK)
8	IN2 UNUSED
9	+12V RED (+12V)
10	GND BLACK (GND)



**Important Notes:**

- Bring the annunciator cable into the annunciator via conduit.
- Ensure that the conduit connection is watertight.
- The optional annunciators (RD625 Series) require #22 AWG low voltage communication wire as a minimum.